

WHAT IS CLAIMED IS:

1. A light device comprising:
 - (a) a light source comprising at least one light emitting diode (LED), and configured to generate a majority of output light in a primary direction;
 - (b) a lens device through which the light generated from said light source passes; and
 - (c) collection optics configured to capture a portion of the light generated from said light source, and configured to output the captured light in a direction other than the primary direction.
2. A light device according to claim 1, wherein said lens further reflects a portion of the light generated from said light source, and said collection optics further captures the reflected portion of the light generated from said light source, and also outputs that captured reflected light in the direction other than the primary direction.
3. A light device according to claim 2, wherein said collection optics (c) comprises (c1) a light pipe with (c2) a collecting surface and (c3) an output surface.
4. A light device according to claim 3, wherein the collection surface (c2) of the light pipe comprises a plurality of prism elements.
5. A light device according to claim 2, further comprising:
 - (d) a sleeve configured to hold said light pipe, and wherein an air gap is provided between said sleeve and said light pipe.
6. A light device according to claim 2, wherein said lens device (b) comprises (b1) an inner lens and (b2) an outer lens.
7. A light device comprising:
 - (a) light source means for generating a majority of light in a primary direction;
 - (b) lens means through which the light generated from said light source means passes;and
 - (c) collection means for capturing a portion of the light generated from said light source means, and for outputting the captured light in a direction other than the primary direction.
8. A light device according to claim 7, wherein said lens means further reflects a portion of the light generated from said light source means, and said collection means further captures the reflected portion of the light generated from said light source means, and also

outputs that captured reflected light in the direction other than the primary direction.

9. A light device according to claim 8, wherein said collection means (c) comprises (c1) light pipe means with (c2) a collecting surface means and (c3) an output surface means.

10. A light device according to claim 9, wherein said collection surface means (c2) of the light pipe means comprises a plurality of prism means.

11. A light device according to claim 8, further comprising:

(d) holding means for holding said light pipe means with an air gap provided between said holding means and said light pipe means.

12. A light device according to claim 8, wherein said lens means (b) comprises (b1) an inner lens means and (b2) an outer lens means.

13. A light device comprising:

(a) a light source comprising at least one light emitting diode (LED), and configured to generate light in a primary direction;

(b) a lens device through which the light generated from said light source passes, and said lens device further reflecting a portion of the light generated from said light source; and

(c) collection optics configured to capture the reflected portion of the light generated from said light source, and configured to output the captured reflected light in a direction other than the primary direction.

14. A light device according to claim 13, wherein said collection optics (c) comprises (c1) a light pipe with (c2) a collecting surface and (c3) an output surface.

15. A light device according to claim 14, wherein said collection surface (c2) of the light pipe comprises a plurality of prism elements.

16. A light device according to claim 13, further comprising:

(d) a sleeve configured to hold said light pipe, and wherein an air gap is provided between said sleeve and said light pipe.

17. A light device according to claim 13, wherein said lens device (b) comprises (b1) an inner lens and (b2) an outer lens.

18. A light device comprising:

(a) light source means for generating light in a primary direction;

(b) lens means through which the light generated from said light source means passes, and said lens means for further reflecting a portion of the light generated from said light

source means; and

(c) collection means for capturing the reflected portion of the light generated from said light source means, and for outputting the captured reflected light in a direction other than the primary direction.

19. A light device according to claim 18, wherein said collection means (c) comprises (c1) light pipe means with (c2) a collecting surface means and (c3) an output surface means.

20. A light device according to claim 19, wherein said collection surface means (c2) of the light pipe means comprises a plurality of prism means.

21. A light device according to claim 18, further comprising:

(d) holding means for holding said light pipe means with an air gap provided between said holding means and said light pipe means.

22. A light device according to claim 18, wherein said lens means (b) comprises (b1) an inner lens means and (b2) an outer lens means.